

### Abstract

A method and apparatus for locating an edge disposed at the junction between two substantially plane surfaces, and in particular to a method and apparatus for locating a platform edge coping relative to a rail vehicle, the method comprising the following stages: a) transmitting waves from at least one transmitter; b) receiving the echoes of the waves transmitted by the transmitter in at least two receivers; c) analyzing the energy of the signal received by each receiver to determine the value of the angle of inclination; d) computing the position of the main points of impact of the waves on the two surfaces by measuring the travel time of the signal transmitted by the transmitter , and received by each receiver; and e) locating the edge by computing the point corresponding to the intersection of the straight lines passing through the two points of impact and forming respective angles with the main transmit axis of the ) transmitter.